

SOCIETY OF TOXICOLOGY, INC.
1979-1980



President: Tom S. Miya

PRESIDENT:	Tom S. Miya
PRESIDENT-ELECT:	Perry J. Gehring
SECRETARY:	J. Wesley Clayton
TREASURER:	Harold N. MacFarland
PAST-PRESIDENT:	Leon Golberg
COUNCIL:	Officers and Councilors, Mary O. Amdur (1978-1980), William W. Carlton (1979-1981), Margaret Hitchcock (1979-1981), Charles F. Reinhardt (1978-1980)

COMMITTEE MEMBERSHIP

Elected Committees

Membership Committee

Joseph F. Borzelleca (1977-1980)*
Stata Norton (1979-1982)
Clarence J. Terhaar (1978-1981)

Finance Committee

Harold N. MacFarland*
John L. Emmerson (1979-1981)
Albert C. Kolbye (1979-1981)
Joseph J. McPhillips (1978-1980)
Ian C. Munro (1978-1980)

Educational Committee

Yves Alarie (1978-1980)*
James M. Fujimoto (1978-1980)
Curtis D. Klaassen (1979-1981)
Elizabeth Weisburger (1979-1981)

Appointed Committees

Awards Committee

Leon Golberg*
William W. Carlton
Margaret Hitchcock

Board of Publications

William D'Aguzzo (1977-1980)*
Paul Hammond (1979-1982)
Bernard A. Schwetz (1978-1981)
Gabriel L. Plaa
Tom S. Miya, President
Perry J. Gehring, Auditor

Program Committee

Perry J. Gehring*
J. Wesley Clayton, Jr., Secretary
Marion W. Anders (1978-1981)
James E. Gibson (1979-1982)
Richard J. Kociba (1979-1982)
James J. Kocsis (1977-1980)
Robert I. Kneger (1978-1981)
Paul M. Newberne (1979-1981)
R. Craig Schnell (1979-1982)
James S. Woods (1977-1980)

Committee on Regulatory**Affairs**

Frederick Coulston*
William F. Durham
Milton Eisler
John P. Frawley
Elliott S. Harris
Albert C. Kolbye, Jr.
Donald D. McCollister

Nominating Committee

Harold M. Peck*
Herbert Blumenthal
Donald J. Ecobichon
Marjorie G. Horning
George Levinskas

Historian

Harry W. Hays

Placement

Mark Hite*
William E. Rinehart

*Chairman

Technical Committee

Richard S. Waritz*
A. Wallace Hayes
Bruce A. Fowler
Irwin A. Heyman
Ted A. Loomis
Daniel B. Menzel
Jane F. Robens
Raghubir P. Sharma
Thomas E. Shellenberger
Donald A. Willigan

Committee for Legislative**Assistance**

Robert J. Weir*
Victor A. Drill
John G. Keller
Ted A. Loomis
Verald K. Rowe

Subcommittee:**WHO/Pesticides**

Milton Eisler*
William F. Durham
Donald D. McCollister
Gaston Vettorazzi

LIAISON REPRESENTATIVES***Representative to the Steering
Committee of the International Congress
of Toxicology***

Seymour L. Friess
Leon Golberg

***Liaison with American
Industrial Hygiene
Association***

J. Wesley Clayton, Jr.
Perry J. Gehring
Tom S. Miya

***Liaison with American Society
for Pharmacology &
Experimental Therapeutics***

Tom S. Miya*
Perry J. Gehring

***Liaison with European Society
of Toxicology***

Robert A. Scala
Bo Holmstedt

***Liaison with Environmental
Mutagen Society***

Gordon W. Newell

NINETEENTH YEAR OF THE SOCIETY

1979-1980

The Annual Meeting of the Society was held on March 9-11, 1980, at the Sheraton Washington Hotel, Washington, D.C. The business meeting was called to order at 3:00 p.m. on Tuesday, March 11, with the President, Dr. Tom S. Miya, presiding. Under his direction the Society of Toxicology took the last steps of the 1970's and entered into the 1980's. He outlined some of the major accomplishments during the year that made it an historic one.

One of the bold steps was the decision of the Council to challenge the interpretation of the National Center for Toxicological Research (NCTR), ED₀₁ study. Although it was too early to discuss their findings, Dr. Miya said a review of some of the conclusions justified the challenge.

At the President's suggestion, the Council approved the concept of a Tox-80's Commission of the Society of Toxicology and it was held at The Aqueduct, Chapel Hill, NC, October 1-3, 1979. Dr. Seymour L. Friess was the General Chairman and Dr. H.W. Hays served as recorder. Participants, about 31, represented a nearly equal distribution from academia, government and industry. In his opening remarks, Dr. Miya identified the Society as the prime scientific organization in the field of toxicology. In the early years it concentrated on identifying toxicology as a science and toxicologists as those engaged in toxicological research. But it also experienced tremendous growth in membership as well as the science itself. There were also some misdeeds that brought public attention by way of the press as well as misuse of data by persons unqualified to make scientific judgments. He felt the Society should have taken a strong leadership role in planning a program to restore public confidence. The Commission members were asked to define issues of immediate importance and, from this list, ten were chosen for an indepth review. These included the following: (1) Specific goals needed to advance the science of toxicology; (2) How can the products of research and hazard assessment be put to use by the public, federal and state governments, and countries outside the United States; (3) Need for specific goals to assist members in career development; (4) Goals for interaction with national and international societies; (5) How can chemical hazard assessment be developed as a sub-discipline of toxicology; (6) What goals are needed to establish simplified worldwide requirements for toxicity testing; (7) What needs to be done about the credibility of toxicologists engaged in safety evaluation and handling of laboratory data; (8) How can the Society assist in developing legislation on the control of toxic chemicals in the environment; (9) What can the Society do to help achieve the goals of ABT and TLAB; (10) How can the Society help coordinate the various training programs at the baccalaureate, doctorate and post-doctorate levels. For discussion purposes the ten points were divided into three general areas: (1) advancement of toxicology as a science, chaired by Dr. Robert Scala; (2) the role of toxicology in society, chaired by Dr. John Emmerson; and, (3) education and professional development, chaired by Dr. Marion Anders. The Commission took a very positive position to all of these areas and set down a series of recommendations, some of which simply reinforced what was already being done by various committees within the Society. Those attending the meeting in addition to those previously mentioned: William Carlton, Fred Coulston, John Doull, Perry Gebring, Robert Geovacchini, Leon Golberg, Wally Hayes, Robert Hehir, Dorothy Hood, Robert Kneger, Harold MacFarland, Daniel Menzel, Robert Menzer, John Moore, Jan Munro, Sheldon Murphy, Gabby Plaa, Frank Standaert and Clarence Terhaar.

A noticeable change was made in character, regularity and format of the Society's Newsletter, which in particular carried Council discussion in which all the members had an interest.

The American Board of Toxicology (ABT) and the Toxicology Laboratory Accreditation Board (TLAB) were now fully organized and incorporated as separate and distinct entities and independent of the Society. It took a long time and a ton of paper work but it had to come, and many hoped it would encourage scholarly research and scientific excellence and restore public confidence in toxicology and toxicologists.

Dr. Miya spoke about conversations with the Burroughs Wellcome Foundation to create a "Wellcome Scholars in Toxicology Program." If successful it would complement the joint ASPET-SOT sponsored Industrial Externship Program. He concluded his remarks by suggesting (1) periodic review of the Constitution and By-Laws; (2) periodic workshops similar to the Tox-80's Commission; (3) greater involvement in international meetings; (4) increase in the use of the expertise of the Society's members; and (5) continued work toward a permanent Executive Office.

The Treasurer, Dr. MacFarland, informed the members that practically all the functions of the Treasurer's office had been transferred to the Akron office with the exception of certain fees, travel invoices and special disbursements. Most of the reserve funds were now invested in commercial paper yielding 13-14% interest. Income for January 1 to December 31, 1979, was \$252,078 and the major sources were the annual meeting, membership dues and corporate associates dues. Expenses for 1979 were \$201,966, major ones being subscriptions to *TAP*, Executive Secretary, Annual Meeting, Council and committee meetings.

The Technical Committee spent a great deal of time and effort in responding to government proposals or statements in the field of toxicology. Of particular importance was the EPA Proposed Test Guidelines for Chronic and Carcinogenic Studies; Short Term Test Proposals and the IRLG Carcinogen Identification Proposal. The Committee reviewed and commented on Rep. Wampler's proposed legislation to establish a scientific group(s) to assess toxicological data in areas subject to Federal regulations.

The Educational Committee printed and delivered a poster advertising career opportunities in toxicology along with a brochure describing the field of toxicology. These were aimed at the doctoral level. Members were encouraged to display them in strategic locations at their place of work. Procedures were finalized for administering training awards through the Society of Toxicology. The Committee recommended to Procter & Gamble Company that the level of their pre-doctoral fellowship be increased to \$6,000 plus tuition, to which they received a favorable response. At the request of the Council, the Committee developed a plan for solicitation of funds for teaching in toxicology that could be submitted to the Burroughs Wellcome Fund. Audiovisual material on Inhalation Toxicology was developed to assist those working in this field and was supported by the Toxicology Study Section, Division of Research Grants, National Institutes of Health. The Committee selected Mr. Anthony P. DeCaprio of Albany Medical College as the recipient of the 1980 Society of Toxicology Research Fellowship sponsored by Procter and Gamble Company. The 1979 recipient, Mr. Paul Ferguson, presented a paper on "Carbofuran Inhibition of Acetylcholinestrase in the Rat Following Oral and Intravenous Exposures" (Abstract No. 123).

A total of 189 applications for membership were submitted for review and 123 (65%) were accepted and 66 (35%) were deferred or rejected. This was the highest acceptance rate for many years. The Committee recommended some changes in procedure, which it thought would decrease the number of deferrals. Fourteen percent of the applications were improperly prepared and should not have been sent to the committee. The Chairman, Dr. Borzelleca, said it was becoming increasingly difficult to implement the provision “generally recognized as expert.”

In 1979, the Council appointed an *ad hoc* Committee to report on the advisability, feasibility and mode of operation of Local and Specialty Sections of the Society of Toxicology. A questionnaire was sent to the members and the results were published in the November issue of the 1979 Newsletter. The majority of the members favored the idea and the Council concluded that it was advisable and feasible to establish sections within the Society of Toxicology. What remained, however, was the mode of operations. The Council appointed a “Task Force on Subsection Formation” and the report: (1) provided descriptions and functions of both regional chapters and specialty sections; (2) outlined a procedure for recognition of chapters and sections; (3) recommended that Council monitor the organization and functioning of the chapters and sections; (4) provided a model of by-laws; (5) recommended that provisions be made for meeting rooms at the annual meeting where these groups could meet. This was a big undertaking and the Committee did a splendid job on what could have been a very divisive issue.

The Program Committee received 458 titles and abstracts to be presented at the scientific sessions. Four hundred forty-six were accepted, which were organized into 16 Platform Sessions with 194 papers and 13 Poster Sessions with 252 posters. These covered all aspects of toxicology. A symposium on “Hepatic Toxicity and Neoplasia in the Rodent” was held on Monday afternoon with Richard Kociba of Dow Chemical Company and Paul Newberne of MIT serving as co-chairmen. A second symposium on “Perspective in Risk Assessment” was presented on Tuesday morning with Dr. Robert Kneger as chairman. The general topics were “What does the Industrial Hygienist, the Physician, the Government, Management and the Public Want or Need From a Toxicologist?” The Issues Session was scheduled for Wednesday, March 12, from noon to 1:15 p.m. followed by a symposium on “Unresolved Mechanisms” chaired by Dr. James E. Gibson of CIIT. A refresher course on “Basic Kinetics” was held on Sunday from 1:00-5:15 p.m. with an entrance fee of \$25 and was well attended. The course included such topics as absorption, distribution, biotransformation, excretion.

The President appointed an *ad hoc* Committee of Drs. Robert Hehir, John Keller, George Levinskas, Robert McCutcheon, John Moore, Bernard Schwetz and Hanspeter Witschi (Chairman) to consider whether SOT should publish a new journal and to define its scope. The Committee met on January 16, 1981, and after careful deliberation concluded that a new journal was indeed appropriate and would fulfill a need in toxicology. It would enlarge the amount and scope of toxicological studies and would probably be met with great interest within the scientific community. It would also complement in a useful and timely way the official publication, *Toxicology and Applied Pharmacology*. The Committee recommended that the Board of Publications and Council obtain information on the financial feasibility.

The Editor, Dr. Plaa, reported that for an 11 month period his office received 450 manuscripts of which 159 were accepted, 165 rejected and 126 still in process of review. In 1979, a total of 314 articles and 412 abstracts were published in five volumes totaling 3143 pages. The average time for publication decreased from 6.3 months to 4.1 months. This was brought about by the change in format (2 columns) and having 5 instead of 4 volumes per year. Dr. Simon Lock replaced Dr. William Hewitt as Editorial Assistant. Because of increased duties and responsibilities at the University, Dr. Plaa resigned as Editor and was replaced by Dr. Robert Neal, Professor of Biochemistry, Vanderbilt University.

Plans for the Second International Congress (ICT-II) were completed in 1979-1980 by the International Steering Committee. It included a full scientific program with six major symposia. The Congress was scheduled for July 7-11, 1980, in Brussels, Belgium. The Steering Committee, in cooperation with the Society of Toxicology, the European Society of Toxicology and the Canadian Society of Toxicology, developed plans for an International Union of Toxicology (IUTOX) that would be launched at the meeting in Brussels. A proposed Constitution and By-Laws was prepared and circulated to societies of toxicology of Europe, North and South America and Asia. With the formation of IUTOX, responsibility for future Congresses on Toxicology would be handed over to the Council of IUTOX.

The Placement Service processed 321 applicant resumes and 83 employer positions and it was believed that 15 persons found employment. The fee for individual applicants was set at \$5 and the fee for employers was raised to \$40 for the first position and \$10 for each additional position. The Service collected \$3,255 less \$2,293.50 for postage and duplicating costs, leaving a balance to the Society of \$961.50.

There were 49 exhibitors displaying new research equipment, animal cages, and journals, and for the first time, the American Board of Toxicology (ABT) and Toxicology Laboratory Accreditation Board (TLAB) were side by side providing information on certification and accreditation.

Hand-outs were in the form of brochures and other descriptive material.

At the banquet on Tuesday evening, March 11, the President, Dr. Tom Miya presented the Frank R. Blood Award to Jerold A. Last, Otto G. Raabe, Peter F. Moore, and Brian K. Tarkington for their paper on "Chromate Inhibition of Metabolism by Rat Lung Tracheal Explants: II. *In Vitro* Exposures" (*TAP* 47:313-322, 1979). The Education Award, jointly sponsored by the Society and the Forum for the Advancement of Toxicology, went to Prof. Herbert H. Cornish, Department of Environmental and Industrial Health, School of Public Health, University of Michigan; the Achievement Award was given to Dr. Philip Watanabe, Dow Chemical Company, for his significant contributions in the area of toxicokinetics with particular reference to studies of the relationship between toxicity and the binding of chemicals to macromolecules in the body; the Arnold J. Lehman Award to Dr. Allan H. Conney in recognition of scientific excellence and his outstanding contribution to the field of toxicology. The Merit Award was presented to Dr. Bernard L. Oser for a distinguished career in toxicology and biochemistry, extending over a period of more than 50 years.

The Distinguished Fellow of the Society of Toxicology Awards for outstanding contributions and service to the Society and to the field of toxicology were presented to: Drs. Harold C. Hodge, C. Boyd Shaffer, Paul S. Larson, Harry W. Hays, Frederick Coulston, Verald K. Rowe, John A. Zapp, Carrol S. Weil, Ted A. Loomis, Robert L. Roudabush, Wayland J. Hayes, Don D. Irish, O. Garth Fitzhugh, Herbert E. Stokinger, William B. Deichmann, Julius M. Coon and David W. Fassert.

The Graduate Fellowship Award sponsored by the Procter and Gamble Company, was presented to Anthony P. DeCaprio.

On July 10, 1979, Dr. Arnold J. Lehman, Co-founder of the Society, Charter Member and Honorary President, died of cancer. His obituary appeared in *Toxicology and Applied Pharmacology* 51,549-551, 1979.

On December 29, 1979, Dr. R. Tecwyn Williams died in London. He had been professor of Biochemistry at St. Mary's Hospital, London, England, a member of the Society of Toxicology in 1963, Honorary Member in 1966, and winner of the Merit Award in 1968.